

INTERNATIONAL SEARCH REPORT

PCT/GB 02/02476 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B60G11/12 B60 B60G11/44 F16F1/26 F16F1/368 B60G17/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B60G F16F Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to daim No. X US 1 902 394 A (ADOLPHE CARTERET PAUL) 1,12,13 21 March 1933 (1933-03-21) Α figures 2,4 8-10,18, 19 US 2 973 196 A (SCHEUBLEIN JR WILLIAM A ET 1-5. AL) 28 February 1961 (1961-02-28) 11-16 figures 1,3,4 US 3 693 964 A (MCGEE DONALD J) 1-5, 26 September 1972 (1972-09-26) 11-16 figures 3,5 -/--Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the International filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention *E* earlier document but published on or after the International filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 4 February 2003 12/02/2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016

Tsitsilonis, L



INTERNATIONAL SEARCH REPORT



PCT/GB 02/02476

		PC1/GB 02/024/6			
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Y	PATENT ABSTRACTS OF JAPAN vol. 010, no. 246 (M-510), 23 August 1986 (1986-08-23) & JP 61 075005 A (NHK SPRING CO LTD),	1-5, 11-16			
A	17 April 1986 (1986-04-17) abstract	6			
Y	US 1 534 533 A (HENRY LUTMAN CHARLES) 21 April 1925 (1925-04-21)	1-3, 11-15			
A	figures 1-4	6			
Υ	US 2 192 391 A (WEBER THEODORE R) 5 March 1940 (1940-03-05) page 1, right-hand column, line 9 - line 24; figures	1-3, 11-15			
A	US 4 687 224 A (SELZER ROBERT J) 18 August 1987 (1987-08-18)	1,8-10, 12,13, 18,19			
	abstract; figure	20,10			
A	GB 1 418 313 A (DUNLOP LTD) 17 December 1975 (1975-12-17) page 2, line 49 - line 61; figures 1,4	1-3, 13-15			
Α	US 6 361 026 B2 (REAST JOHN BOLLAND) 26 March 2002 (2002-03-26) figures 4A,4B,5A,5B	1-3,6,7, 12-15,17			
A	US 5 507 516 A (REAST JOHN B) 16 April 1996 (1996-04-16) figures 1A,1B,5A,5B,6A,6B,8	1,6,7, 12,13,17			
	•				





INTERNATIONAL SEARCH REPORT

PCT/GB 02/02476

Patent document cited in search report		Publication date		Patent family member(s)	-	Publication date
US 1902394	Α	21-03-1933	GB BE	352493 374351	A	06-07-1931
			DE	527437	C	
			FR	38611	Ē	24-06-1931
			FR	700759		06-03-1931
			GB 	352495 	A 	16-07-1931
US 2973196	Α	28-02-1961	NONE			
US 3693964	Α	26-09-1972	NONE			
JP 61075005	A	17-04-1986	JP	1829863	С	15-03-1994
US 1534533	Α	21-04-1925	FR	581314	Α	26-11 - 1924
US 2192391	Α	05-03-1940	NONE			
US 4687224	Α	18-08-1987	CA	1255336	A1	06-06-1989
GB 1418313	Α	17-12-1975	AU	5308173	A	12-09-1974
US 6361026	B2	16-08-2001	US	2001013676		16-08-2001
			AU	1901595		23-10-1995
			DE	69518068		24-08-2000
			DE	69518068		22-03-2001
			EP	0752934		15-01-1997
			ES	2149352		01-11-2000
			WO	9526887	A1 	12-10-1995
US 5507516	Α	16-04-1996	AT	165286		15-05-1998
			AU	1908792		12-01-1993
			DE	69225225		28-05-1998
			DE	69225225		07-01-1999
			EP	0587663		23-03-1994
			ES	2114939		16-06-1998
			WO	9222438	A1	23-12-1992